

PROJECT: HPI Fortuna Shell

PROJECT NO.: 4563.01

BORING LOCATION: ALLEY WEST OF 8TH STREET

DATE: 9/30/2004

DRILLING METHOD: GEOPROBE

ELEVATION:

DRILLER: LAKE'S

LOGGED BY: JMW

DEPTH TO WATER: INITIAL  $\nabla$  :COMPLETION  $\nabla$  :

SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS

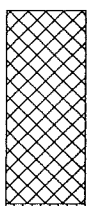
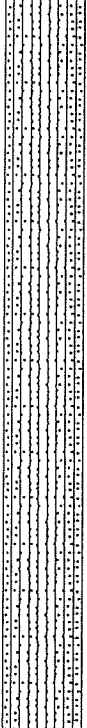

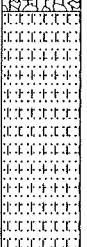


ELEVATION/ DEPTH	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	P.I.D. ppm	Hanby result
0		FILL	ROAD BASE; light brown, medium dense, dry to moist; 15% silt, no plasticity, 60% well graded sand, 25% well graded gravel. No hydrocarbon odor or staining.		
2.5		SM-ML	SILT WITH SAND; light gray brown, soft to firm, moist; 10% clay, 50% silt, medium plasticity, 40% fine sand. No hydrocarbon odor or staining.		
5					
7.5					
10					
12.5		ML	SILT WITH GRAVEL; dark brown, firm, wet; 25% clay, 60% silt, medium plasticity, 15% fine to medium subrounded to rounded gravel. No hydrocarbon odor or staining.		
15		SW-SM	WELL GRADED SAND WITH SILT AND GRAVEL; tan with gray, medium dense, moist; 5% clay, 20% silt, no plasticity, 50% well graded sand, 25% fine subrounded to rounded gravel. No hydrocarbon odor or staining. Manganese nodules present.		
17.5		SW	WELL GRADED SAND WITH GRAVEL; light to dark brown, medium dense, moist; 15% silt, no plasticity, 60% well graded sand, 25% well graded subrounded to rounded gravel. No hydrocarbon odor or staining.		
		SM	SILTY SAND; tan, medium dense, moist; 20% silt, no plasticity, 80% fine sand. No hydrocarbon odor or staining.		

Figure \_\_\_\_\_

PROJECT: HPI Fortuna Shell

PROJECT NO.: 4563.01

BORING LOCATION: ALLEY WEST OF 8TH STREET

DATE: 9/30/2004

DRILLING METHOD: GEOPROBE

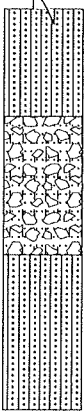
ELEVATION:

DRILLER: LAKE'S

LOGGED BY: JMW

DEPTH TO WATER: INITIAL  $\nabla$  :COMPLETION  $\nabla$  :

SITE GEOLOGY: FLUVIAL TERRACE AND COLLUVIAL FAN DEPOSITS

ELEVATION/ DEPTH	SOIL SYMBOLS, SAMPLERS AND TEST DATA	USCS	Description	P.I.D. ppm	Hanby result
20		SM	SILTY SAND; tan with red, medium dense, moist; 5% clay, 25% silt, low to medium plasticity, 70% fine to medium sand. No hydrocarbon odor or staining, iron staining present.		
		SW-SM	WELL GRADED SAND WITH SILT AND GRAVEL; tan with red, medium dense, moist to wet; 5% clay, 15% silt, low plasticity, 60% well graded sand, 20% fine to medium subrounded to rounded gravel. No hydrocarbon odor or staining.		
22.5		SM	SILTY SAND; tan, medium dense, moist; 5% clay, 25% silt, 70% fine sand. No hydrocarbon odor or staining. SILTY SAND; red brown, medium dense, moist to wet; 5% clay, 15% silt, low plasticity, 70% fine to medium sand, 10% fine to medium gravel. No hydrocarbon odor or staining. HALT AT 24 FEET BGS IN SAME.		
25					
27.5					
30					
32.5					
35					
37.5					